MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

JULY, 1933

J. A. BROWN, DIRECTOR

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JULY 1933

METEOROLOGICAL REGISTER

Date	Barometer reduced to o°C Sea level and 45° Latitude 700 mm + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.0	56.7	57.8	56.8	30.1	23.4	27.3	28.8	23.8	26.6
2	9.2	9.7	60.6	9.8	29.4	22.2	26.6	28.3	22.6	25.8
3	60.7	60.6	0.4	60.6	29.2	20.1	26.5	28.4	23.0	26.0
4	58.8	57.9	57.7	8.1	28.7	20.7	26.6	27.6	23.4	25.9
5	5.9	5.2	5.7	5.6	29.1	20.1	26.7	28.2	23.2	26.0
6	55.0	58.2	58.3	57.2	29.6	20.3	26.7	28.3	23.1	26.0
7	8.9	9.1	9.1	9.0	31.1	21.2	27.8	30.7	23.9	27.5
8	7.8	7.4	6.8	7.3	29.9	21.3	26.8	29.4	23.7	26.6
9	5.3	4.6	4.3	4.7	29.4	21.1	27.2	28.3	23.6	26.4
10	4.5	4.5	4.9	4.6	29.9	21.7	26.9	29.1	24.0	26.7
11	55.8	56.0	56.4	56.1	29.8	21.2	27.1	29.3	23.8	26.7
12	7.4	7.1	7.5	7.3	29.3	21.4	27.0	27.8	23.8	26.2
13	7.6	6.4	6.9	7.0	29.7	21.1	27.1	29.2	24.8	27.0
14	7.0	5.9	5.6	6.2	30.5	21.5	27.2	29.7	24.8	27.2
15	5.2	4.5	4.3	4.7	30.6	21.8	27.1	30.1	24.7	27.3
16	53.5	53.4	53.8	53.6	29.9	21.8	27.2	29.8	24.1	27.0
17	4.0	3.6	4.1	3.9	31.1	21.3	26.7	30.6	24.9	27.4
18	4.7	4.1	4.5	4.4	30.3	22.4	27.1	29.6	25.1	27.3
19	4.6	4.2	4.4	4.4	30.6	22.9	27.2	29.4	24.6	27.1
20	4.6	5.1	5.3	5.0	30.8	21.3	27.3	29.4	24.8	27.2
21	56.6	56.3	56.8	56.6	30.7	22.3	28.1	29.3	25.1	27.5
22	7.6	7.5	7.5	7.5	29.7	22.2	27.7	27.8	24.9	26.8
23	6.2	5.3	5.4	5.6	30.8	24.0	27.7	30.3	23.6	27.2
24	5.4	5.2	5.1	5.2	30.8	21.4	27.6	29.8	25.4	27.6
25	5.7	5.6	6.1	5.8	30.4	22.6	27.8	29.2	25.1	27.4
26	56.7	57.1	57.9	57.2	31.3	22.8	27.9	30.4	25.0	27.8
27	7.8	7.9	7.8	7.8	30.6	22.3	27.7	29.7	24.8	27.4
28	7.4	7.5	7.0	7.3	31.1	23.6	27.7	30.6	25.8	28.0
29	5.7	5.0	4.9	5.2	31.1	24.1	28.4	30.0	25.5	28.0
30	5.0	4.6	5.7	5.1	31.1	24.0	27.8	30.1	24.6	27.5
31	7.5	7.5	7.5	7.5	30.6	22.3	27.7	29.7	25.2	27.5
	756.39	756.25	756.45	756.36	30.23	21.96	27.29	29.32	24.34	26.98

Barometer, Range for month 753.4 –760.7 m.m.

„ 50-yr. average for month 755.697 m.m.

Thermometer, Range for month 20.1°–31.3° C.

„ 50-yr. average for month 27.83 C.

Rain, Total for month 0. m.m.

„ , 50-yr average for month 0.51 m.m.

„ , total Sept. 1st to end of month 392.74 m.m.

„ , 50-yr. average, Sept 1st to end of month 907.05 m.m

JULY 1933
METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun hrs.	Rain m.m.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	21.7	23.2	21.6	15.3	16.9	17.4	16.5	56	57	78	64	11.0	
2	21.2	22.7	21.0	14.8	16.2	17.2	16.1	57	56	84	66	11.2	
3	20.9	21.8	19.4	14.5	14.8	14.2	14.5	56	51	68	58	12.0	
4	21.6	22.2	20.6	15.5	15.8	15.9	15.7	60	59	75	65	11.9	
5	21.1	21.9	19.6	14.7	15.1	14.4	14.7	56	54	68	59	12.2	
6	21.7	22.4	21.4	15.6	15.9	17.6	16.4	59	55	84	66	10.1	
7	22.9	23.6	20.4	17.1	16.3	15.4	16.3	61	49	69	60	8.3	
8	22.6	23.7	21.1	17.1	17.4	16.5	17.0	65	57	77	66	12.2	
9	22.2	22.6	20.6	16.1	16.2	15.7	16.0	60	56	72	63	12.1	
10	21.3	23.1	21.6	14.9	16.5	17.2	16.2	56	55	77	63	12.0	
11	22.1	23.2	22.0	16.1	16.5	18.2	16.9	60	54	82	65	11.8	
12	21.8	22.5	21.1	15.6	16.0	16.6	16.1	59	58	75	64	10.3	
13	22.7	23.7	21.9	17.2	17.6	17.2	17.2	65	58	74	66	10.9	
14	23.5	24.5	22.7	18.5	18.6	18.8	16.6	69	59	82	70	11.0	
15	23.5	24.8	22.8	18.2	18.9	19.0	18.7	69	59	82	70	12.0	
16	23.6	25.4	23.0	18.8	20.4	19.3	19.5	70	65	89	75	11.2	
17	23.9	25.4	23.6	19.7	19.7	20.5	20.0	75	60	87	74	12.8	
18	23.7	24.5	23.8	19.0	18.7	20.7	19.5	72	60	87	73	12.4	
19	23.1	24.0	22.2	17.6	18.3	18.3	18.1	66	61	79	69	12.0	
20	23.3	25.3	23.3	18.0	20.4	19.9	19.4	68	66	85	73	12.8	
21	22.1	23.2	22.1	15.4	16.6	17.3	16.4	54	54	74	61	11.7	
22	22.8	22.4	21.3	16.9	16.1	16.2	16.4	61	58	69	63	3.5	
23	21.3	25.4	21.1	14.4	20.0	16.7	17.0	52	61	77	63	12.4	
24	21.1	23.5	22.1	14.1	16.4	17.1	15.9	52	53	71	59	9.6	
25	22.4	24.8	22.3	16.2	19.6	17.8	17.9	58	65	76	66	8.0	
26	23.1	24.6	22.4	17.2	18.3	18.0	17.8	61	57	76	65	12.0	
27	22.6	23.9	22.0	16.6	17.5	17.4	17.3	60	56	75	64	12.0	
28	23.7	26.0	23.6	18.5	21.0	19.7	19.7	67	64	79	70	12.1	
29	24.3	24.9	23.6	19.1	19.3	19.9	19.4	67	61	81	69	11.3	
30	23.8	24.9	22.9	18.7	19.1	18.5	19.1	68	59	85	71	11.3	
31	22.6	24.9	23.3	16.6	19.4	19.7	18.6	60	61	82	68	12.0	
	22.51	23.83	21.95	16.06	17.72	17.65	17.13	61.9	58.0	78.0	66.0	11.16	

eight of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
ry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m
im of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
ime of readings minus 2 hours equals G. C. T.
)-year averages are for period, 1875-1924

JULY 1933

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	0	0	0	0.0	3sw	2sw	1w	483.4	light	
2	0	0	0	0.0	3sw	4sw	0	825.3	mod.	
3	0	1ci	3ci	1.3	5sw	2w	1w	634.9	mod.	
4	0	3ci	0	1.0	5sw	3w	1w	792.4	„	
5	0	0	0	0.0	4sw	2w	0	404.7	„	
6	0	0	0	0.0	2w	1w	0	128.6	„	
7	0	0	0	0.0	2w	1w	0	193.3	light	
8	0	0	0	0.0	3sw	1w	0	223.7	light	
9	0	0	0	0.0	1w	3sw	1w	785.8	light	
10	1ci	4cu	8stcu	4.3	1sw	2sw	0	724.3	mod.	
11	1cu	0	3cu	1.3	2sw	2sw	0	424.8	slight	
12	0	0	0	0.0	1sw	2sw	0	323.5	slight	
13	5cu	0	1cu	2.0	1sw	1sw	0	326.7	light	
14	3cu	1stcu	0	1.3	1sw	1sw	0	329.9	„	
15	1cu	0	1cu	0.7	2w	1sw	1sw	338.0	„	
16	1stcu	1cu	1cu	1.0	2sw	1sw	0	339.6	„	
17	1cu	0	1cu	0.7	1sw	1sw	0	321.9	slight	
18	1stcu	1stcu	5stcu	2.3	1sw	1sw	1sw	445.3	„	
19	1stcu	0	0	0.3	1sw	2sw	0	389.4	mod.	
20	2stcu	2stcu	1stcu	1.7	1sw	1sw	1sw	439.0	„	
21	2cu	5st	1cu	2.7	1sw	1sw	0	412.4	slight	
22	7cu	7cu	10cu	8.0	1s	1sw	1sw	265.3	mod.	
23	0	2cu	10cu	4.0	2sw	1sw	0	262.3	„	
24	1cu	1cu	9cu	3.7	1s	2sw	0	247.8	„	
25	1cu	9stcu	3cu	4.3	1s	1s	0	193.1	„	
26	1cu	1cu	1cu	1.0	2sw	2sw	1sw	580.4	„	
27	1cu	1cu	2cu	1.3	3w	2sw	2sw	459.2	„	
28	1cu	1cu	7stcu	3.0	3sw	2sw	0	646.4	„	
29	1stcu	4stcu	4stcu	3.0	3sw	2s	1sw	639.2	„	
30	0	1cu	2cu	1.0	4sw	4sw	3sw	519.8	„	
31	1cu	1cu	1cu	1.0	3sw	3sw	0	425.3	„	
				1.64	2.1	1.8	0.5	436.31		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	0	0	0	3	23	5	0	0
14:30	0	0	0	0	2	23	6	0	0
20:30	0	0	0	0	0	8	4	0	19
Totals	0	0	0	0	5	54	15	0	19

Number of days with rain 0, fog 0, thunderstorms 0, gales 0.

50-yr average, number of days with rain during month 0.2